

Free ebook Sustainability [PDF]

designing for sustainability is an innovation shaping both the design industry and design education today yet architects product designers and other key professionals in this new field have so far lacked a resource that addresses their sensibilities and concerns the designer s atlas of sustainability now explores the basic principles concepts and practice of sustainable design in a visually sophisticated and engaging style the book tackles not only the ecological aspects of sustainable design designers choice of materials and manufacturing processes have a tremendous impact on the natural world but also the economic and cultural elements involved the atlas is neither a how to manual nor collection of recipes for sustainable design but a compendium of fresh approaches to sustainability that designers can incorporate into daily thinking and practice illuminating many facets of this exciting field the book offers ideas on how to harmonize human and natural systems and then explores practical options for making the business of design more supportive of long term sustainability an examination of the ethical dimensions of sustainable development in our public and private lives is the theme present throughout like other kinds of atlases the designer s atlas of sustainability illustrates its subject but it goes far beyond its visual appeal stimulating design solutions for development that cultivates environmental and social conditions that will support human well being indefinitely the sustainable design book updates the reader on the latest products and developments in the field of green design and features 265 of the most exciting new products around q as with leading designers

give insight into trends and key techniques used within the industry while handy icons highlight each product's sustainability credentials at a glance beginning with a chapter on sustainable materials the book goes on to cover furniture lighting home accessories and personal accessories addresses of designers and retailers make each product easy to source the sustainable design book is an unbeatable resource for those aspiring to best practice within the field of sustainable design as well as students of contemporary product design consumers looking for beautiful but environmentally conscious products and accessories will also find this an essential guide the concept of sustainability is used in an ever growing number of contexts and seems to be able to refer to just about anything and everything but what does sustainable development actually mean this book offers an introduction to the concept in all its nuances and interpretations starting with the historical process that led to the Brundtland report and the Rio Summit the authors describe the idea of sustainable development and the main distinctions among the different understandings of the concept the book also discusses examples of concrete work on sustainable development and the ways in which we may be responsible for dealing with sustainable development in our professional lives the book offers an appreciation of the diversity of existing perspectives on sustainable development and raises the issue of what sustainable development demands of us as individuals and as a society this volume focuses on the linkages between environment and economics with emphasis on the resource crises arising out of industrial development and urbanization fully revised to align with the new study design issues of sustainability includes full colour images and diagrams and examples to explain how concepts are implemented in the real world this book provides a comprehensive and contemporary source of reference

for the gig economy for sustainable businesses with a focus on industry 4.0 it covers the theoretical and practical implications of the rise of an alternative system in the era of technology driven business entities and explains the emergence of the gig economy as a crucial factor in devising approaches that will help in ensuring better decision making as the covid 19 pandemic rages on investors and corporations are attempting to overcome the turbulence in financial markets over the past few months governments and economists are scrambling to mitigate the impacts of lockdowns many businesses have transferred to a remote working system and the critical challenge remains to make this form of work and business productive efficient and sustainable against this backdrop the book provides an overview of the gig economy from varied perspective such as general business and economics ethics governance and legal issues diffusion of it in the workplace sustainability future of workforce and workplaces during and post pandemic scenarios this edited volume also highlights several challenges and opportunities for managing the diverse workforce in the prevailing situation which has no precedence with its discussions on the impact of the gig economy on the business world the book carries appeal for scholars in the business human resource professionals industry practitioners corporates and policy advocates interested in learning about evolution automation marketing and sustainability in the gig economy sustainability in healthcare advances in mhealth ai and robotics explores sustainable methods in the healthcare industry focusing on rural and community healthcare improvement the use of robots for sustainability and the implementation of ai in healthcare it also explores additive manufacturing mobile health biomedical engineering and telemedicine's role in healthcare sustainability management the book also discusses the ethical concerns environmental

social and economic implications of sustainability in healthcare supply chain management and pandemic management accountability social responsibility and sustainability addresses the broad and complicated interactions between organisational life civil society markets inequality and environmental degradation through the lenses of accounting accountability responsibility and sustainability placing the way in which organisations are controlled and the metrics by which they are run at the heart of the analysis this text also explores how this system opposes the very concerns of societal well being and environmental stewardship that form the basis of civilised society gray adams and owen offer an in depth and nuanced guide to this theory recognising the crucial role played by scholars and practitioners in approaching these central tensions the theory is extensively supported by analysis of developments in practice and in a real world context aimed principally at undergraduate and postgraduate accounting students accountability social responsibility and sustainability will prove invaluable to any student teacher or practitioner with an interest in the central role accounting finance accountability csr and sustainability play in the future of society and the planet the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes as you study share your notes with friends ebooks are downloaded to your computer and accessible either offline through the bookshelf available as a free download available online and also via the ipad and android apps upon purchase you ll gain instant access to this ebook time limit the ebooks products do not have an expiry date you will continue to access your digital ebook products whilst you have your bookshelf installed sustainable history and the dignity of man is a new philosophy of history this volume outlines how sustainable history is propelled by good

governance which balances the tension between the attributes of human nature emotionality amorality and egoisms and human dignity needs such as reason security human rights accountability transparency justice opportunity innovation and inclusiveness the author proposes minimum criteria for good governance that are sensitive to local cultures and histories but meet certain common global values to ensure maximum and sustainable moral and political cooperation using an ocean model of a single collective human civilisation the author argues that we should think in terms of a common human story that is comprised of multiple geo cultural domains and sub cultures with a history of mutual borrowing and synergies the author argues that today all geo cultural domains must succeed if humanity as a whole is to triumph this collective triumph will also depend on reason and a recognition that a great deal of knowledge is indeterminate and may be temporally spatially and perhaps culturally constrained as is outlined in the author s new theory of knowledge neuro rational physicalism dr nayef r f al rodhan is senior scholar in geostrategy and director of the programme on the geopolitical implications of globalisation and transnational security at the geneva centre for security policy geneva switzerland this book is an exceptionally wide ranging examination of past and present approaches to the securing of a qualitatively adequate social life on the planet the need for intercultural dialogue is pressing and stated as a matter of urgency in the text that argument is well presented and it is helpfully accompanied by a large amount of empirical evidence the book is also a strong and ethically attractive humanist statement about the value of human interaction that incorporates a vision of mutual respect based on a mixture of scientific arguments and normative aspirations those features are very impressive professor michael freeden professor of politics director of the centre for political ideologies

professorial fellow mansfield college university of oxford united kingdom this book will focus on the use of blockchain 3.0 for sustainable development this tool is invaluable for achieving transparency and trust but possibilities to benefit society more broadly are emerging that will bring a bright future for sustainable development too the adoption of blockchain in agriculture healthcare infrastructure education environment energy communication will provide revolutionary changes in the digital era around the world the focus is on the relationship between ethics and governance codes and how widely this should be interpreted sustainability has three main accepted dimensions economic growth social responsibility and environmental protection it is a truly multidimensional and multidisciplinary concept and one which directly affects the risks and opportunities for markets and businesses in three distinct parts sustainable markets for sustainable business explores the relationship between markets and business and sustainable development as well as issues such as climate change pollution land degradation and biodiversity loss firstly the authors all experts from around the world consider a variety of theoretical issues concerned with sustainability in the new environment in part two the emphasis is on looking at these issues in the market and business practice under various guises although every chapter contains discussion and recommended solutions the final part specifically focuses on future perspectives and the solution strategies for implementation of sustainability measures throughout the book the authors address the need for business and market sustainability reforms the world's markets have the potential to improve the lives of billions in developing countries reducing poverty and securing environmental quality for future generations often they fail to capture the full value of natural resources or promote the interests of poor people therefore an effective public policy framework

is required sustainable markets for sustainable business and future titles in the finance governance and sustainability series address this need in this fascinating book monica thiel tackles some of the most meaningful questions in the csr and sustainability sphere today she discuss the lack of social responsibility engagement with local communities by corporations and governments and the lack of reciprocal social responsibility and sporadic participation from individuals and local communities themselves monica sheds light specifically on the social domain within csr and sustainability an area that thus far has received remarkably little detailed coverage the social domain in csr and sustainability provides a new and unique contribution to the body of knowledge in csr and sustainability with business government and local community leaders faced with challenging societal constraints and consumer and public demands on a daily basis these practical tools will put readers in a better position to manage and develop csr and sustainability strategies the inaction of nation states and international bodies has posed significant risks to the environment by contrast cities are sites of action and innovation in sustainability citizen participation and city governance contributors researching in the areas of law urban planning geography and philosophy identify approaches for tackling many of the most challenging environmental problems facing cities today sustainability citizen participation and city governance facilitates two strands of dialogue about climate change first it integrates legal perspectives into policy debates about urban sustainability and governance from which law has typically stood apart second it brings case studies from quebec into a rare conversation with examples drawn from elsewhere in canada the collection proposes humane and inclusive processes for arriving at effective policy outcomes some chapters examine governance mechanisms that reconcile clashes of

incommensurable values and resolve conflicts about collective interests other chapters provide platforms for social movements that have faced obstacles to communicating to a broad public the collection s proposals respond to drastic changes in urban environments some changes are imminent others are upon us already all threaten the present and future well being of urban communities the cannabis plant as a hemp could contribute better than previously thought to achieving the goals of the un sustainable development report the so called agenda 2030 and its 17 sdgs sustainable development goals from a health perspective its medicinal use is the main focus but it is also used in cosmetic products and in food offerings for humans and animals in the context of the increasing climate crisis hemp helps especially to cope with the co2 problem in agriculture by binding the co2 similar to reforestation in industry as a recyclable raw material substitute for example as a plastic substitute in clothing in technology or in construction at the moment unfortunately the immense prices and high demand show a different picture from citizens who want to but can t or aren t allowed to from farmers who have to overcome immense bureaucratic hurdles to an industry that is deterred by complex rules and laws to invest the essential shows how this potential could also be realized in germany no one has recorded when well digging started but surely humans imitated elephants in digging holes in the sand to access cooler water that didn t make the children sick eventually humankind began to redesign maintain and repair the wells they constructed but when wells became commodities in the twentieth century this maintenance ethic was the text begins by discussing the sustainable buildings energy efficient technologies advanced materials advances in renewable energy for building sector green intelligent infrastructure policies on sustainable infrastructure and life cycle assessment it further presents

design considerations challenges and applications of net zero energy buildings with a global perspective the book covers renewable energy technologies for energy efficient buildings this book discusses the importance of developing new materials for energy and heat transfer optimization in sustainable buildings and life cycle assessment of sustainable building materials investigates the city gas system sustainable smart cities infrastructure and data mining techniques in green building for evaluation of energy cost grades and adoption highlights the development and application net zero energy buildings energy policies and infrastructure requirements building performance prediction optimization and energy planning and thermal comfort in buildings presents renewable energy policies social economic and environmental issues associated with sustainable buildings and emerging trends in smart green building technologies covers energy efficient urban infrastructure earth air heat exchanger and retrofitting of existing buildings to achieve energy efficient buildings it is primarily written for senior undergraduates graduate students and academic researchers in the fields of energy engineering environmental science and engineering materials science mechanical engineering and civil engineering this open access book analyses the interplay of sustainable development and human rights from different perspectives including fight against poverty health gender equality working conditions climate change and the role of private actors each aspect is addressed from a more human rights focused angle and a development policy angle this allows comparisons between the different approaches but also seeks to close gaps which would remain if only one perspective would be at the center of the discussions specifically the book shows the strong connections between human rights and the objectives of the 2030 agenda for sustainable development and the sustainable

development goals adopted by the united nations in 2015 already the preamble of this document explicitly states that the 17 sustainable development goals seek to realise the human rights of all moreover several goals and targets of the 2030 agenda correspond to already existing individual human rights obligations the contributions of this volume therefore also address how the implementation of human rights and sdgs can reinforce each other but also point to critical shortcomings of the different approaches this book offers a range of scholarly and cultural perspectives on environmental violence from around the world this open access volume of lidc contributions focuses on how competition and intellectual property laws incorporate sustainability objectives businesses are increasingly embracing sustainability objectives driven by the international community although competition and intellectual property law are certainly not the only tools for addressing sustainability issues they can play a role in moving toward a more sustainable society sustainability has gained prominence in competition law in all jurisdictions covered in this volume the contributions focus on classic questions such as whether sustainability agreements restrict competition and if so to what extent businesses can be exempted on efficiency grounds the papers also raise a number of questions in particular concerning the treatment of non market efficiencies the soft law and case law produced by competition authorities are examined and the leadership role of some competition authorities in the field from advocacy to policy papers and sustainability guidelines is highlighted the authors call for more individual guidance to provide enhanced transparency and clarity to industry advisors and society at large on sustainability issues with guidelines or sustainability related block exemptions providing even greater legal certainty with regard to intellectual property the contributions examine various important

issues such as the need for intellectual property rights to remain technology neutral ways to promote the use of sustainable technologies and incentives for licensing and ways to promote the dissemination of sustainable technologies including compulsory licensing cross licensing open source or frand licensing and replacing the destruction of counterfeit goods with recycling the papers also discuss greenwashing and how it can be addressed through revisions to trademarks and related rights synopsis this book is about design and visual communication for secondary school students and teachers it is a very useful resource for primary secondary school teachers and tertiary students who are interested in all aspects of sustainable architecture designers and architects could also find it an interesting read the software google sketch up used discussed and illustrated in this book is very user friendly the computer aided drawing program sketchupmake is freeware which can be downloaded from the internet the computer program is very easy to use very young kids like primary school students and secondary school students can use it it is a great design program and many tertiary students as well as professional architects and designers make use of it the advantage is that objects and buildings can be designed in just minutes for example concepts and ideas included in the sleep out brief is general research inspiration board design eras influential architects and design activities that include possible solutions to a sustainable architectural design brief extensive content is included on freehand sketches sketchup computer aided drawings elevations site plans diagrams screenshots biomimetics assessments and more the assessment of the chosen building site is presented including weather and climatic factors additionally the author has included links to his youtube videos model movement these videos were specifically included to assist the solution to sustainable architectural

briefs links to published academic work by the author and much more are also included see five house publishing for more details exemplars of secondary school students work sixteen year olds from a new zealand secondary school are included design and visual communication keywords design and visual communication dvc sustainable architecture 16 year olds animal architecture armadillo and onion inspired ask nature how biomimetics clerestory climate collecting rainwater computer aided software concrete creativity design eras elevations freehand sketching generating design ideas green roof harvesting energy from the sun harvesting energy from the wind heatsink ideation illustrate sustainable function influential designers innovation location model modernism modernist architects movement new zealand orientation passive solar passive solar design passive solar panel passive ventilation photovoltaic panel primary school retrofitting secondary school sectional views shadows and shading shipping container sleep out site assessment site plan sketch up sleep out steel reinforcing sustainable architecture sustainable features functions the living classroom thermal mass trombe walls weather climate this book builds on the insights of g nther bachmann former secretary general for the german sustainability council who spent almost 20 years advising the german government on sustainability policy the book discusses his experiences in negotiating stakeholder statements at the highest national levels bachmann takes the reader behind the scenes of german sustainable policy and practice whilst also comparing germany with other national approaches he tells the story of political events from his insider perspective unfolding the narrative of sustainable development goals and how activists in their respective countries could and should relate to it furthermore he suggests new lines of vision through the tangle of conference fatigue and buzzwords the

book argues that environmentalists often display entrenched attitudes that too often downplay success the rhetoric of crisis and doom if overstretched and reduced to alarm paralyzes action and innovation bachmann who on the contrary argues positively and concretely shows unusual but significant signs of hope and confidence in action and how these can be made effective in the politics of sustainable development this book will be of global relevance to sustainability professionals and policy makers and will advise them on how to successfully move ahead with sustainability policies this is the first comprehensive practical handbook on the topic of environmental social governance esg and its impact on the real estate industry the sustainability megatrend is still in its early stages in the real estate sector and there is a lack of standards practical examples and data the development is very dynamic and sometimes confusing and new complex requirements and regulations are constantly being added the authors an expert team of economists lawyers investors asset managers and engineers provide an overview of national and european regulatory requirements as well as current market developments they show what role esg plays not only in the areas of new construction renovation and real estate management but also in investment processes and real estate valuations contents esg and the real estate market esg and regulatory environment esg and real estate management esg in urban and project development this volume brings together contributions from women business scholars from a range of disciplines and countries the starting point was a collaborative research meeting organised by daughters of themis international network of female business scholars in june 2017 the volume highlights the difficulties and the possibilities that lie in working together across disciplines with the aim of achieving corporate sustainability the volume is written from the perspective of women

business scholars thereby offering outside viewpoints in fields that still are very much dominated by men and fresh insights and innovate ideas in three main parts the authors address the need for interdisciplinarity in research to identify ways to ensure the contribution of business to sustainability showcasing a number of theoretical and applied approaches for researching sustainable business the volume s introductory chapter situates the volume in discourses of sustainability and corporate sustainability it presents the daughters of themis network and provides a short description of the successive eleven chapters in part i reflections contributors discuss the significance of interdisciplinary research how to work across disciplines as well as the challenges of doing so in part ii theory contributors discuss theoretical and methodological aspects of interdisciplinary research part iii presents the practice of interdisciplinary research in the introductory chapter the editors reflect on the insights that can be drawn out of the contributions and discuss the potential for future developments of interdisciplinary research for sustainability as well as how interdisciplinary research can be communicated the book is intended for business scholars and will particularly appeal to those working in law accountancy and finance management and organization studies the difficulties in moving towards corporate sustainability raise the question of how environmental and social management can be integrated better with economic business goals over the last decade the relationship between environmental and economic performance and more recently the interaction between sustainability performance and business competitiveness have received considerable attention in both theory and practice however to date only partial aspects of the relationship between sustainability performance competitiveness and economic performance have been studied from a theoretical as well as an

empirical perspective and to date no unique relationship has prevailed in empirical studies a number of explanations have been put forward to explain this including methodological reasons such as the lack of statistical data the low quality of that data or the fact that such data is often available for short time periods only other theoretical explanations have been developed such as the influence of different corporate strategies or the relatively small influence of environmental or sustainability issues as one factor among many on the economic or financial success of firms so how should the business case for sustainability be managed this is the starting point for this book which compiles insights on a large number of aspects of the link between sustainability performance business competitiveness and economic success in an attempt to provide a comprehensive and structured view of this relationship the book provides an unrivalled body of knowledge on the state of theory and practice in this field and identifies prospective future fields of work the book includes conceptual frameworks for the interaction of social environmental and economic issues in business environments case studies of companies that have successfully integrated social environmental and economic issues analyses of the causal and empirical relationship between environmental and or social performance business performance and firm level competitiveness concepts and tools useful for improving business value with proactive operational strategies assessment of the factors influencing operational sustainability strategies and their economic impact and comparisons of interactions between sustainability performance and firm competitiveness across industry sectors and countries managing the business case for sustainability is the definitive work in its field the most comprehensive book yet published on the theory and practice of managing sustainability performance competitiveness environmental social and economic

performance in an integrated way it will be essential reading for managers academics consultants fund managers governments and government agencies ngos and international bodies who need a broad and comprehensive overview of the business case for sustainability this open access volume addresses the link between international taxation the 2030 sustainable development agenda and the medium term revenue strategy concept it also analyses how countries and governments can reinforce this link in current and future initiatives in international taxation including the base erosion profit shifting project initiated by the organization for economic co operation and development with the political mandate of the g20 it discusses the 2030 sustainable development agenda that are relevant for taxation and assesses the current work done by international organizations regional tax organizations and countries to achieve these sustainable development goals the contributions to this volume provide an interdisciplinary mix of expertise in tax law international political economy global governance and international relations through these different perspectives this volume provides an elaborate reference and evaluation framework for multilateral cooperation on tax and development to strengthen the revenue system of developed and developing countries this topical volume is of interest to students and researchers of the social sciences law and economics as well as policy makers working on taxation this publication explores some of the barriers that hinder external finance from making greater contributions to the sustainability of landscapes in the global south it provides insights into the potential of blended finance green bonds and crowdfunding structures to contribute to bridging that gap the document is meant for investors that are new to land based investments in the global south and are particularly interested in achieving social and environmental impacts it is also

written for development organizations with little experience in leveraging private finance for local development and conservation and for future practitioners in this field the authors identified several gaps in knowledge and experiences and it is hoped that through this document the readers will be motivated to fill in those gaps in the near future contributing to scaling up finance for sustainable and inclusive landscapes this is the third environmental performance review of switzerland it evaluates progress towards sustainable development and green growth with a focus on water management and biodiversity conservation and sustainable use sustainable aviation is a long term strategy aimed at providing innovative solutions to the challenges facing the aviation industry the international symposium on sustainable aviation is a multi disciplinary symposium that presents research on current sustainability based issues and future trends in the field of aviation from an economic social and environmental perspective the conference provides a platform offering insights on a broad range of current issues in aviation such as improving aircraft fuel efficiency fostering the use of biofuels minimizing environmental impact mitigating ghg emissions and reducing engine and airframe noise issa allows researchers scientists engineers practitioners policymakers and students to exchange information present new technologies and developments and discuss future direction strategies and priorities in aviation and sustainability to best serve current and future generations infrastructure needs to be resilient to the changing world while using limited resources in a sustainable manner research on and funding towards sustainability and resilience are growing rapidly and significant research is being carried out at a number of institutions and centers worldwide this handbook brings together current research on sustainable and resilient infrastructure and in particular

stresses the fundamental nexus between sustainability and resilience it aims to coalesce work from a large and diverse group of contributors across a wide range of disciplines including engineering technology and informatics urban planning public policy economics and finance not only does it present a theoretical formulation of sustainability and resilience but it also demonstrates how these ideals can be realized in practice this work will provide a reference text to students and scholars of a number of disciplines check dam construction for sustainable watershed management and planning authoritative and comprehensive reference on the potential for watershed development through the use of check dams check dam construction for sustainable watershed management and planning summarizes current knowledge of check dams as key soil and water conservation structures in some of the most sensitive and vulnerable ecosystems in the world as exemplified by the mediterranean area and the chinese loess plateau providing detailed information on check dam design and watershed planning the use of advanced modeling techniques challenges in dam construction and how to overcome them the work integrates decades of research in the field of soil and water conservation and gully management including advanced studies in check dam construction and watershed management it also covers important new techniques and methods such as hydrological modeling isotope tracing and more to aid in reader comprehension the five highly qualified editors have divided the work into three distinct sections sections i and ii focus on the experience gained from the erosion hotspots in the chinese loess plateau whereas section iii expands the scope to other regions with different functions for check dams including headwater ecosystems and alpine environments sample topics covered in check dam construction for sustainable watershed management and planning include the

regulating effect of check dam systems on sediment redistribution and the formation and development of dam systems in small watersheds water and soil conservation made possible by check dam construction and sediment source analysis of water sediment retarding effects of check dams the regulation of check dam systems on the erosion dynamic process and the mechanism of erosion reduction by check dams flood control risk assessment on warping dam systems and the development and utilization model of check dam systems with its systematic coverage of all aspects of dam construction and maintenance check dam construction for sustainable watershed management and planning supports decision making by local authorities and can also be used as a professional guide for ecologists hydrologists and water resource managers this encyclopedia is the most comprehensive and up to date source of reference for sustainability in business and management it covers both traditional and emerging concepts and terms and is fully international in its scope more than 700 contributions of internationally renowned experts provide a definitive access to the knowledge in the area of sustainable and responsible management all actors in the field will find reliable and up to date definitions and explanations of the key terms and concepts of management in this reference work the encyclopedia of sustainable management represents all aspects of management and business conduct it takes sustainability as a management concept that gives due credit to the complexity and diverging constraints in which businesses and corporations act today and it emphasizes and focuses approaches that help ensure that today s management decisions and actions will be the basis for tomorrow s prosperity this study analyses good practices and gaps in education for sustainable development esd implementation in ten small island states vulnerable to climate change it provides practical and realistic

recommendations on how esd may be better integrated in education policy and strategy and delivered more comprehensively sustainable urban futures in africa provides a variety of conventional and emerging theoretical frameworks to inform understandings and responses to critical urban development issues such as urbanisation climate change housing slum informality urban sprawl urban ecosystem services and urban poverty among others within the context of the sustainable development goals sdgs in africa this book addresses topics including challenges to spatial urban development how spatial planning is delivered how different urbanisation variables influence the development of different forms of urban systems and settlements in africa how city authorities could use old and new methods of land administration to produce sustainable urban spaces in africa and the role of local activism is causing important changes in the built environment chapters are written by a diverse range of african scholars and practitioners in urban planning and policy design environmental science and policy sociology agriculture natural resources management environmental law and politics urban africa has huge resource potential both human and natural resources that can stimulate sustainable development when effectively harnessed sustainable urban futures in africa provides support for the sdgs in urban africa and will be of interest to students and researchers professionals and policymakers and readers of urban studies spatial planning geography governance and other social sciences sustainable development is the most important challenge facing humanity in the 21st century the global economic growth in the recent past has indeed exhibited marked progress in many countries nevertheless the issues of income disparity poverty gender gaps and malnutrition are not uncommon in the global landscape in spite of the upward growth of the economy and technological advances this grim

picture is further exacerbated by our growing human population unmindful resource use ever increasing consumption trends and changing climate in order to protect humanity and preserve the planet the united nations issued the 2030 agenda for sustainable development which includes but is not limited to sustainable production and consumption practices e g in a sustainable bioeconomy the hallmark of the sustainable bioeconomy is a paradigm shift from a fossil fuel based economy to a biological based one which is driven by the virtues of sustainability efficient utilization of resources and circular economy as the sustainable bioeconomy is based on the efficient utilization of biological resources and societal transformations it holds the immense potential to achieve the un s sustainable development goals this book shares valuable insights into the linkages between the sustainable bioeconomy and sustainable development goals making it an essential read for policymakers researchers and students of environmental studies this handbook provides a comprehensive review of communication around rising global environmental challenges and public action to manage them now and into the future bringing together theoretical methodological and practical chapters this book presents a unique opportunity for environmental communication scholars to critically reflect on the past examine present trends and start envisioning exciting new methodologies theories and areas of research chapters feature authors from a wide range of countries to critically review the genesis and evolution of environmental communication research and thus analyze current issues in the field from a truly international perspective incorporating diverse epistemological perspectives exciting new methodologies and interdisciplinary theoretical frameworks the handbook seeks to challenge existing dominant perspectives of environmental communication from and about populations in the global south and

disenfranchised populations in the global north the handbook of international trends in environmental communication is ideal for scholars and advanced students of communication sustainability strategic communication media environmental studies and politics this innovative book addresses the links between sustainability and human rights in the context of infrastructure projects and uncovers the human rights gap in every stage of public procurement processes to deliver on infrastructure assets or services

The Designer's Atlas of Sustainability 2007-06-20 designing for sustainability is an innovation shaping both the design industry and design education today yet architects product designers and other key professionals in this new field have so far lacked a resource that addresses their sensibilities and concerns the designer s atlas of sustainability now explores the basic principles concepts and practice of sustainable design in a visually sophisticated and engaging style the book tackles not only the ecological aspects of sustainable design designers choice of materials and manufacturing processes have a tremendous impact on the natural world but also the economic and cultural elements involved the atlas is neither a how to manual nor collection of recipes for sustainable design but a compendium of fresh approaches to sustainability that designers can incorporate into daily thinking and practice illuminating many facets of this exciting field the book offers ideas on how to harmonize human and natural systems and then explores practical options for making the business of design more supportive of long term sustainability an examination of the ethical dimensions of sustainable development in our public and private lives is the theme present throughout like other kinds of atlases the designer s atlas of sustainability illustrates its subject but it goes far beyond its visual appeal stimulating design solutions for development that cultivates environmental and social conditions that will support human well being indefinitely

The Sustainable Design Book 2015-03-23 the sustainable design book updates the reader on the latest products and developments in the field of green design and features 265 of the most exciting new products around q as with leading designers give insight into trends and key techniques used within the industry while handy icons highlight each product s sustainability credentials at a glance beginning with a chapter

on sustainable materials the book goes on to cover furniture lighting home accessories and personal accessories addresses of designers and retailers make each product easy to source the sustainable design book is an unbeatable resource for those aspiring to best practice within the field of sustainable design as well as students of contemporary product design consumers looking for beautiful but environmentally conscious products and accessories will also find this an essential guide

Sustainable Development 2018-08-27 the concept of sustainability is used in an ever growing number of contexts and seems to be able to refer to just about anything and everything but what does sustainable development actually mean this book offers an introduction to the concept in all its nuances and interpretations starting with the historical process that led to the brundtland report and the rio summit the authors describe the idea of sustainable development and the main distinctions among the different understandings of the concept the book also discusses examples of concrete work on sustainable development and the ways in which we may be responsible for dealing with sustainable development in our professional lives the book offers an appreciation of the diversity of existing perspectives on sustainable development and raises the issue of what sustainable development demands of us as individuals and as a society

Ecology and Economics 2001 this volume focuses on the linkages between environment and economics with emphasis on the resource crises arising out of industrial development and urbanization

Issues of Sustainability 2021-08-09 fully revised to align with the new study design issues of sustainability includes full colour images and diagrams and examples to explain how concepts are implemented in the

real world

Sustainability in the Gig Economy 2022-05-19 this book provides a comprehensive and contemporary source of reference for the gig economy for sustainable businesses with a focus on industry 4.0 it covers the theoretical and practical implications of the rise of an alternative system in the era of technology driven business entities and explains the emergence of the gig economy as a crucial factor in devising approaches that will help in ensuring better decision making as the covid 19 pandemic rages on investors and corporations are attempting to overcome the turbulence in financial markets over the past few months governments and economists are scrambling to mitigate the impacts of lockdowns many businesses have transferred to a remote working system and the critical challenge remains to make this form of work and business productive efficient and sustainable against this backdrop the book provides an overview of the gig economy from varied perspective such as general business and economics ethics governance and legal issues diffusion of it in the workplace sustainability future of workforce and workplaces during and post pandemic scenarios this edited volume also highlights several challenges and opportunities for managing the diverse workforce in the prevailing situation which has no precedence with its discussions on the impact of the gig economy on the business world the book carries appeal for scholars in the business human resource professionals industry practitioners corporates and policy advocates interested in learning about evolution automation marketing and sustainability in the gig economy

Sustainability in Healthcare 2024-07-22 sustainability in healthcare advances in mhealth ai and robotics explores sustainable methods in the healthcare industry focusing on rural and community healthcare

improvement the use of robots for sustainability and the implementation of ai in healthcare it also explores additive manufacturing mobile health biomedical engineering and telemedicine s role in healthcare sustainability management the book also discusses the ethical concerns environmental social and economic implications of sustainability in healthcare supply chain management and pandemic management

Social and Environmental Accounting and Reporting 2014-01-14 accountability social responsibility and sustainability addresses the broad and complicated interactions between organisational life civil society markets inequality and environmental degradation through the lenses of accounting accountability responsibility and sustainability placing the way in which organisations are controlled and the metrics by which they are run at the heart of the analysis this text also explores how this system opposes the very concerns of societal well being and environmental stewardship that form the basis of civilised society gray adams and owen offer an in depth and nuanced guide to this theory recognising the crucial role played by scholars and practitioners in approaching these central tensions the theory is extensively supported by analysis of developments in practice and in a real world context aimed principally at undergraduate and postgraduate accounting students accountability social responsibility and sustainability will prove invaluable to any student teacher or practitioner with an interest in the central role accounting finance accountability csr and sustainability play in the future of society and the planet the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes as you study share your notes with friends ebooks are downloaded to your computer and accessible either offline through the bookshelf available as a free download available online and also via the ipad and android apps

upon purchase you will gain instant access to this ebook time limit the ebooks products do not have an expiry date you will continue to access your digital ebook products whilst you have your bookshelf installed

Sustainable Rural Development 1998 sustainable history and the dignity of man is a new philosophy of history this volume outlines how sustainable history is propelled by good governance which balances the tension between the attributes of human nature emotionality amorality and egoisms and human dignity needs such as reason security human rights accountability transparency justice opportunity innovation and inclusiveness the author proposes minimum criteria for good governance that are sensitive to local cultures and histories but meet certain common global values to ensure maximum and sustainable moral and political cooperation using an ocean model of a single collective human civilisation the author argues that we should think in terms of a common human story that is comprised of multiple geo cultural domains and sub cultures with a history of mutual borrowing and synergies the author argues that today all geo cultural domains must succeed if humanity as a whole is to triumph this collective triumph will also depend on reason and a recognition that a great deal of knowledge is indeterminate and may be temporally spatially and perhaps culturally constrained as is outlined in the author s new theory of knowledge neuro rational physicalism

dr nayef r f al rodhan is senior scholar in geostrategy and director of the programme on the geopolitical implications of globalisation and transnational security at the geneva centre for security policy geneva switzerland this book is an exceptionally wide ranging examination of past and present approaches to the securing of a qualitatively adequate social life on the planet the need for intercultural dialogue is pressing and stated as a matter of urgency in the text that argument is well presented and it is helpfully

accompanied by a large amount of empirical evidence the book is also a strong and ethically attractive humanist statement about the value of human interaction that incorporates a vision of mutual respect based on a mixture of scientific arguments and normative aspirations those features are very impressive professor michael freeden professor of politics director of the centre for political ideologies professorial fellow mansfield college university of oxford united kingdom

Sustainable History and Human Dignity 2022-01-27 this book will focus on the use of blockchain 3.0 for sustainable development this tool is invaluable for achieving transparency and trust but possibilities to benefit society more broadly are emerging that will bring a bright future for sustainable development too the adoption of blockchain in agriculture healthcare infrastructure education environment energy communication will provide revolutionary changes in the digital era

Blockchain 3.0 for Sustainable Development 2021-07-19 around the world the focus is on the relationship between ethics and governance codes and how widely this should be interpreted sustainability has three main accepted dimensions economic growth social responsibility and environmental protection it is a truly multidimensional and multidisciplinary concept and one which directly affects the risks and opportunities for markets and businesses in three distinct parts sustainable markets for sustainable business explores the relationship between markets and business and sustainable development as well as issues such as climate change pollution land degradation and biodiversity loss firstly the authors all experts from around the world consider a variety of theoretical issues concerned with sustainability in the new environment in part two the emphasis is on looking at these issues in the market and business practice under various guises

although every chapter contains discussion and recommended solutions the final part specifically focuses on future perspectives and the solution strategies for implementation of sustainability measures throughout the book the authors address the need for business and market sustainability reforms the world s markets have the potential to improve the lives of billions in developing countries reducing poverty and securing environmental quality for future generations often they fail to capture the full value of natural resources or promote the interests of poor people therefore an effective public policy framework is required sustainable markets for sustainable business and future titles in the finance governance and sustainability series address this need

Sustainable Markets for Sustainable Business 2015-04-28 in this fascinating book monica thiel tackles some of the most meaningful questions in the csr and sustainability sphere today she discuss the lack of social responsibility engagement with local communities by corporations and governments and the lack of reciprocal social responsibility and sporadic participation from individuals and local communities themselves monica sheds light specifically on the social domain within csr and sustainability an area that thus far has received remarkably little detailed coverage the social domain in csr and sustainability provides a new and unique contribution to the body of knowledge in csr and sustainability with business government and local community leaders faced with challenging societal constraints and consumer and public demands on a daily basis these practical tools will put readers in a better position to manage and develop csr and sustainability strategies

The Social Domain in CSR and Sustainability 2015-10-28 the inaction of nation states and international bodies

has posed significant risks to the environment by contrast cities are sites of action and innovation in sustainability citizen participation and city governance contributors researching in the areas of law urban planning geography and philosophy identify approaches for tackling many of the most challenging environmental problems facing cities today sustainability citizen participation and city governance facilitates two strands of dialogue about climate change first it integrates legal perspectives into policy debates about urban sustainability and governance from which law has typically stood apart second it brings case studies from quebec into a rare conversation with examples drawn from elsewhere in canada the collection proposes humane and inclusive processes for arriving at effective policy outcomes some chapters examine governance mechanisms that reconcile clashes of incommensurable values and resolve conflicts about collective interests other chapters provide platforms for social movements that have faced obstacles to communicating to a broad public the collection s proposals respond to drastic changes in urban environments some changes are imminent others are upon us already all threaten the present and future well being of urban communities

Sustainability, Citizen Participation, and City Governance 2022-08-03 the cannabis plant as a hemp could contribute better than previously thought to achieving the goals of the un sustainable development report the so called agenda 2030 and its 17 sdgs sustainable development goals from a health perspective its medicinal use is the main focus but it is also used in cosmetic products and in food offerings for humans and animals in the context of the increasing climate crisis hemp helps especially to cope with the co2 problem in agriculture by binding the co2 similar to reforestation in industry as a recyclable raw material substitute

for example as a plastic substitute in clothing in technology or in construction at the moment unfortunately the immense prices and high demand show a different picture from citizens who want to but can't or aren't allowed to from farmers who have to overcome immense bureaucratic hurdles to an industry that is deterred by complex rules and laws to invest the essential shows how this potential could also be realized in germany

The Sustainability of Hemp 2023-06-23 no one has recorded when well digging started but surely humans imitated elephants in digging holes in the sand to access cooler water that didn't make the children sick eventually humankind began to redesign maintain and repair the wells they constructed but when wells became commodities in the twentieth century this maintenance ethic was

Sustainable Wells 2009-11-04 the text begins by discussing the sustainable buildings energy efficient technologies advanced materials advances in renewable energy for building sector green intelligent infrastructure policies on sustainable infrastructure and life cycle assessment it further presents design considerations challenges and applications of net zero energy buildings with a global perspective the book covers renewable energy technologies for energy efficient buildings this book discusses the importance of developing new materials for energy and heat transfer optimization in sustainable buildings and life cycle assessment of sustainable building materials investigates the city gas system sustainable smart cities infrastructure and data mining techniques in green building for evaluation of energy cost grades and adoption highlights the development and application net zero energy buildings energy policies and infrastructure requirements building performance prediction optimization and energy planning and

thermal comfort in buildings presents renewable energy policies social economic and environmental issues associated with sustainable buildings and emerging trends in smart green building technologies covers energy efficient urban infrastructure earth air heat exchanger and retrofitting of existing buildings to achieve energy efficient buildings it is primarily written for senior undergraduates graduate students and academic researchers in the fields of energy engineering environmental science and engineering materials science mechanical engineering and civil engineering

Ecological Footprint of the Modern Economy and the Ways to Reduce It 2024-07-24 this open access book analyses the interplay of sustainable development and human rights from different perspectives including fight against poverty health gender equality working conditions climate change and the role of private actors each aspect is addressed from a more human rights focused angle and a development policy angle this allows comparisons between the different approaches but also seeks to close gaps which would remain if only one perspective would be at the center of the discussions specifically the book shows the strong connections between human rights and the objectives of the 2030 agenda for sustainable development and the sustainable development goals adopted by the united nations in 2015 already the preamble of this document explicitly states that the 17 sustainable development goals seek to realise the human rights of all moreover several goals and targets of the 2030 agenda correspond to already existing individual human rights obligations the contributions of this volume therefore also address how the implementation of human rights and sdgs can reinforce each other but also point to critical shortcomings of the different approaches

Sustainable Technologies for Energy Efficient Buildings 2019-01-01 this book offers a range of scholarly and

cultural perspectives on environmental violence from around the world

Sustainable Development Goals and Human Rights 2024-05-09 this open access volume of licd contributions focuses on how competition and intellectual property laws incorporate sustainability objectives businesses are increasingly embracing sustainability objectives driven by the international community although competition and intellectual property law are certainly not the only tools for addressing sustainability issues they can play a role in moving toward a more sustainable society sustainability has gained prominence in competition law in all jurisdictions covered in this volume the contributions focus on classic questions such as whether sustainability agreements restrict competition and if so to what extent businesses can be exempted on efficiency grounds the papers also raise a number of questions in particular concerning the treatment of non market efficiencies the soft law and case law produced by competition authorities are examined and the leadership role of some competition authorities in the field from advocacy to policy papers and sustainability guidelines is highlighted the authors call for more individual guidance to provide enhanced transparency and clarity to industry advisors and society at large on sustainability issues with guidelines or sustainability related block exemptions providing even greater legal certainty with regard to intellectual property the contributions examine various important issues such as the need for intellectual property rights to remain technology neutral ways to promote the use of sustainable technologies and incentives for licensing and ways to promote the dissemination of sustainable technologies including compulsory licensing cross licensing open source or frand licensing and replacing the destruction of counterfeit goods with recycling the papers also discuss greenwashing and how it can be addressed through

revisions to trademarks and related rights

Exploring Environmental Violence 2024-01-13 synopsis this book is about design and visual communication for secondary school students and teachers it is a very useful resource for primary secondary school teachers and tertiary students who are interested in all aspects of sustainable architecture designers and architects could also find it an interesting read the software google sketch up used discussed and illustrated in this book is very user friendly the computer aided drawing program sketchupmake is freeware which can be downloaded from the internet the computer program is very easy to use very young kids like primary school students and secondary school students can use it it is a great design program and many tertiary students as well as professional architects and designers make use of it the advantage is that objects and buildings can be designed in just minutes for example concepts and ideas included in the sleep out brief is general research inspiration board design eras influential architects and design activities that include possible solutions to a sustainable architectural design brief extensive content is included on freehand sketches sketchup computer aided drawings elevations site plans diagrams screenshots biomimetics assessments and more the assessment of the chosen building site is presented including weather and climatic factors additionally the author has included links to his youtube videos model movement these videos were specifically included to assist the solution to sustainable architectural briefs links to published academic work by the author and much more are also included see five house publishing for more details exemplars of secondary school students work sixteen year olds from a new zealand secondary school are included design and visual communication keywords design and visual communication dvc sustainable

architecture 16 year olds animal architecture armadillo and onion inspired ask nature how biomimetics clerestory climate collecting rainwater computer aided software concrete creativity design eras elevations freehand sketching generating design ideas green roof harvesting energy from the sun harvesting energy from the wind heatsink ideation illustrate sustainable function influential designers innovation location model modernism modernist architects movement new zealand orientation passive solar passive solar design passive solar panel passive ventilation photovoltaic panel primary school retrofitting secondary school sectional views shadows and shading shipping container sleep out site assessment site plan sketch up sleep out steel reinforcing sustainable architecture sustainable features functions the living classroom thermal mass trombe walls weather climate

Sustainability Objectives in Competition and Intellectual Property Law 2018-07-04 this book builds on the insights of g nther bachmann former secretary general for the german sustainability council who spent almost 20 years advising the german government on sustainability policy the book discusses his experiences in negotiating stakeholder statements at the highest national levels bachmann takes the reader behind the scenes of german sustainable policy and practice whilst also comparing germany with other national approaches he tells the story of political events from his insider perspective unfolding the narrative of sustainable development goals and how activists in their respective countries could and should relate to it furthermore he suggests new lines of vision through the tangle of conference fatigue and buzzwords the book argues that environmentalists often display entrenched attitudes that too often downplay success the rhetoric of crisis and doom if overstretched and reduced to alarm paralyses action and innovation bachmann

who on the contrary argues positively and concretely shows unusual but significant signs of hope and confidence in action and how these can be made effective in the politics of sustainable development this book will be of global relevance to sustainability professionals and policy makers and will advise them on how to successfully move ahead with sustainability policies

Sustainable Architecture: A Solution to a Sustainable Sleep-out Design Brief (Volume 2). 2022-05-11 this is the first comprehensive practical handbook on the topic of environmental social governance esg and its impact on the real estate industry the sustainability megatrend is still in its early stages in the real estate sector and there is a lack of standards practical examples and data the development is very dynamic and sometimes confusing and new complex requirements and regulations are constantly being added the authors an expert team of economists lawyers investors asset managers and engineers provide an overview of national and european regulatory requirements as well as current market developments they show what role esg plays not only in the areas of new construction renovation and real estate management but also in investment processes and real estate valuations contents esg and the real estate market esg and regulatory environment esg and real estate management esg in urban and project development

How to Successfully Encourage Sustainable Development Policy 2022-05-19 this volume brings together contributions from women business scholars from a range of disciplines and countries the starting point was a collaborative research meeting organised by daughters of themis international network of female business scholars in june 2017 the volume highlights the difficulties and the possibilities that lie in working together across disciplines with the aim of achieving corporate sustainability the volume is written from the

perspective of women business scholars thereby offering outside viewpoints in fields that still are very much dominated by men and fresh insights and innovate ideas in three main parts the authors address the need for interdisciplinarity in research to identify ways to ensure the contribution of business to sustainability showcasing a number of theoretical and applied approaches for researching sustainable business the volume s introductory chapter situates the volume in discourses of sustainability and corporate sustainability it presents the daughters of themis network and provides a short description of the successive eleven chapters in part i reflections contributors discuss the significance of interdisciplinary research how to work across disciplines as well as the challenges of doing so in part ii theory contributors discuss theoretical and methodological aspects of interdisciplinary research part iii presents the practice of interdisciplinary research in the introductory chapter the editors reflect on the insights that can be drawn out of the contributions and discuss the potential for future developments of interdisciplinary research for sustainability as well as how interdisciplinary research can be communicated the book is intended for business scholars and will particularly appeal to those working in law accountancy and finance management and organization studies

EcoDesign for Sustainable Products, Services and Social Systems II 2022-10-26 the difficulties in moving towards corporate sustainability raise the question of how environmental and social management can be integrated better with economic business goals over the last decade the relationship between environmental and economic performance and more recently the interaction between sustainability performance and business competitiveness have received considerable attention in both theory and practice

however to date only partial aspects of the relationship between sustainability performance competitiveness and economic performance have been studied from a theoretical as well as an empirical perspective and to date no unique relationship has prevailed in empirical studies a number of explanations have been put forward to explain this including methodological reasons such as the lack of statistical data the low quality of that data or the fact that such data is often available for short time periods only other theoretical explanations have been developed such as the influence of different corporate strategies or the relatively small influence of environmental or sustainability issues as one factor among many on the economic or financial success of firms so how should the business case for sustainability be managed this is the starting point for this book which compiles insights on a large number of aspects of the link between sustainability performance business competitiveness and economic success in an attempt to provide a comprehensive and structured view of this relationship the book provides an unrivalled body of knowledge on the state of theory and practice in this field and identifies prospective future fields of work the book includes conceptual frameworks for the interaction of social environmental and economic issues in business environments case studies of companies that have successfully integrated social environmental and economic issues analyses of the causal and empirical relationship between environmental and or social performance business performance and firm level competitiveness concepts and tools useful for improving business value with proactive operational strategies assessment of the factors influencing operational sustainability strategies and their economic impact and comparisons of interactions between sustainability performance and firm competitiveness across industry sectors and countries managing the business case for

sustainability is the definitive work in its field the most comprehensive book yet published on the theory and practice of managing sustainability performance competitiveness environmental social and economic performance in an integrated way it will be essential reading for managers academics consultants fund managers governments and government agencies ngos and international bodies who need a broad and comprehensive overview of the business case for sustainability

ESG and Real Estate 2017-09-08 this open access volume addresses the link between international taxation the 2030 sustainable development agenda and the medium term revenue strategy concept it also analyses how countries and governments can reinforce this link in current and future initiatives in international taxation including the base erosion profit shifting project initiated by the organization for economic co operation and development with the political mandate of the g20 it discusses the 2030 sustainable development agenda that are relevant for taxation and assesses the current work done by international organizations regional tax organizations and countries to achieve these sustainable development goals the contributions to this volume provide an interdisciplinary mix of expertise in tax law international political economy global governance and international relations through these different perspectives this volume provides an elaborate reference and evaluation framework for multilateral cooperation on tax and development to strengthen the revenue system of developed and developing countries this topical volume is of interest to students and researchers of the social sciences law and economics as well as policy makers working on taxation

Interdisciplinary Research for Sustainable Business 2021-03-29 this publication explores some of the barriers

that hinder external finance from making greater contributions to the sustainability of landscapes in the global south it provides insights into the potential of blended finance green bonds and crowdfunding structures to contribute to bridging that gap the document is meant for investors that are new to land based investments in the global south and are particularly interested in achieving social and environmental impacts it is also written for development organizations with little experience in leveraging private finance for local development and conservation and for future practitioners in this field the authors identified several gaps in knowledge and experiences and it is hoped that through this document the readers will be motivated to fill in those gaps in the near future contributing to scaling up finance for sustainable and inclusive landscapes

Managing the Business Case for Sustainability 2020-11-25 this is the third environmental performance review of switzerland it evaluates progress towards sustainable development and green growth with a focus on water management and biodiversity conservation and sustainable use

Taxation, International Cooperation and the 2030 Sustainable Development Agenda 2017-11-27 sustainable aviation is a long term strategy aimed at providing innovative solutions to the challenges facing the aviation industry the international symposium on sustainable aviation is a multi disciplinary symposium that presents research on current sustainability based issues and future trends in the field of aviation from an economic social and environmental perspective the conference provides a platform offering insights on a broad range of current issues in aviation such as improving aircraft fuel efficiency fostering the use of biofuels minimizing environmental impact mitigating ghg emissions and reducing engine and airframe

noise issa allows researchers scientists engineers practitioners policymakers and students to exchange information present new technologies and developments and discuss future direction strategies and priorities in aviation and sustainability

Innovative finance for sustainable landscapes 2023-10-31 to best serve current and future generations infrastructure needs to be resilient to the changing world while using limited resources in a sustainable manner research on and funding towards sustainability and resilience are growing rapidly and significant research is being carried out at a number of institutions and centers worldwide this handbook brings together current research on sustainable and resilient infrastructure and in particular stresses the fundamental nexus between sustainability and resilience it aims to coalesce work from a large and diverse group of contributors across a wide range of disciplines including engineering technology and informatics urban planning public policy economics and finance not only does it present a theoretical formulation of sustainability and resilience but it also demonstrates how these ideals can be realized in practice this work will provide a reference text to students and scholars of a number of disciplines

OECD Environmental Performance Reviews: Switzerland 2017 2018-12-17 check dam construction for sustainable watershed management and planning authoritative and comprehensive reference on the potential for watershed development through the use of check dams check dam construction for sustainable watershed management and planning summarizes current knowledge of check dams as key soil and water conservation structures in some of the most sensitive and vulnerable ecosystems in the world as exemplified by the mediterranean area and the chinese loess plateau providing detailed information on

check dam design and watershed planning the use of advanced modeling techniques challenges in dam construction and how to overcome them the work integrates decades of research in the field of soil and water conservation and gully management including advanced studies in check dam construction and watershed management it also covers important new techniques and methods such as hydrological modeling isotope tracing and more to aid in reader comprehension the five highly qualified editors have divided the work into three distinct sections sections i and ii focus on the experience gained from the erosion hotspots in the chinese loess plateau whereas section iii expands the scope to other regions with different functions for check dams including headwater ecosystems and alpine environments sample topics covered in check dam construction for sustainable watershed management and planning include the regulating effect of check dam systems on sediment redistribution and the formation and development of dam systems in small watersheds water and soil conservation made possible by check dam construction and sediment source analysis of water sediment retarding effects of check dams the regulation of check dam systems on the erosion dynamic process and the mechanism of erosion reduction by check dams flood control risk assessment on warping dam systems and the development and utilization model of check dam systems with its systematic coverage of all aspects of dam construction and maintenance check dam construction for sustainable watershed management and planning supports decision making by local authorities and can also be used as a professional guide for ecologists hydrologists and water resource managers

Research Developments in Sustainable Aviation 2022-08-16 this encyclopedia is the most comprehensive

and up to date source of reference for sustainability in business and management it covers both traditional and emerging concepts and terms and is fully international in its scope more than 700 contributions of internationally renowned experts provide a definitive access to the knowledge in the area of sustainable and responsible management all actors in the field will find reliable and up to date definitions and explanations of the key terms and concepts of management in this reference work the encyclopedia of sustainable management represents all aspects of management and business conduct it takes sustainability as a management concept that gives due credit to the complexity and diverging constraints in which businesses and corporations act today and it emphasizes and focuses approaches that help ensure that today s management decisions and actions will be the basis for tomorrow s prosperity

Routledge Handbook of Sustainable and Resilient Infrastructure 2023-11-21 this study analyses good practices and gaps in education for sustainable development esd implementation in ten small island states vulnerable to climate change it provides practical and realistic recommendations on how esd may be better integrated in education policy and strategy and delivered more comprehensively

Check Dam Construction for Sustainable Watershed Management and Planning 2013 sustainable urban futures in africa provides a variety of conventional and emerging theoretical frameworks to inform understandings and responses to critical urban development issues such as urbanisation climate change housing slum informality urban sprawl urban ecosystem services and urban poverty among others within the context of the sustainable development goals sdgs in africa this book addresses topics including challenges to spatial urban development how spatial planning is delivered how different urbanisation

variables influence the development of different forms of urban systems and settlements in africa how city authorities could use old and new methods of land administration to produce sustainable urban spaces in africa and the role of local activism is causing important changes in the built environment chapters are written by a diverse range of african scholars and practitioners in urban planning and policy design environmental science and policy sociology agriculture natural resources management environmental law and politics urban africa has huge resource potential both human and natural resources that can stimulate sustainable development when effectively harnessed sustainable urban futures in africa provides support for the sdgs in urban africa and will be of interest to students and researchers professionals and policymakers and readers of urban studies spatial planning geography governance and other social sciences *Gender Issues in the Sustainable Development Era* 2021-12-31 sustainable development is the most important challenge facing humanity in the 21st century the global economic growth in the recent past has indeed exhibited marked progress in many countries nevertheless the issues of income disparity poverty gender gaps and malnutrition are not uncommon in the global landscape in spite of the upward growth of the economy and technological advances this grim picture is further exacerbated by our growing human population unmindful resource use ever increasing consumption trends and changing climate in order to protect humanity and preserve the planet the united nations issued the 2030 agenda for sustainable development which includes but is not limited to sustainable production and consumption practices e g in a sustainable bioeconomy the hallmark of the sustainable bioeconomy is a paradigm shift from a fossil fuel based economy to a biological based one which is driven by the virtues of sustainability efficient utilization

of resources and circular economy as the sustainable bioeconomy is based on the efficient utilization of biological resources and societal transformations it holds the immense potential to achieve the un s sustainable development goals this book shares valuable insights into the linkages between the sustainable bioeconomy and sustainable development goals making it an essential read for policymakers researchers and students of environmental studies

Encyclopedia of Sustainable Management 2020-11-06 this handbook provides a comprehensive review of communication around rising global environmental challenges and public action to manage them now and into the future bringing together theoretical methodological and practical chapters this book presents a unique opportunity for environmental communication scholars to critically reflect on the past examine present trends and start envisioning exciting new methodologies theories and areas of research chapters feature authors from a wide range of countries to critically review the genesis and evolution of environmental communication research and thus analyze current issues in the field from a truly international perspective incorporating diverse epistemological perspectives exciting new methodologies and interdisciplinary theoretical frameworks the handbook seeks to challenge existing dominant perspectives of environmental communication from and about populations in the global south and disenfranchised populations in the global north the handbook of international trends in environmental communication is ideal for scholars and advanced students of communication sustainability strategic communication media environmental studies and politics

Education for Sustainable Development in Small Island Developing States 2021-12-27 this innovative book

addresses the links between sustainability and human rights in the context of infrastructure projects and uncovers the human rights gap in every stage of public procurement processes to deliver on infrastructure assets or services

Sustainable Urban Futures in Africa 2023-03-02

Sustainable Bioeconomy

The Handbook of International Trends in Environmental Communication

Sustainable Public Procurement of Infrastructure and Human Rights

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